

MAR 6 1998

Mr. Vernell Stornes
Pro-Serve, Inc.
400 East Brooks Road
Memphis, TN 38109

Dear Mr. Stornes:

Subject: PRONONE® Power Pellet Herbicide
EPA Registration Number 33560-41
Your Letter Dated February 18, 1998, Submission
of Revised Labeling in Response To Product
Reregistration Dated January 23, 1998, Pesticide
Product Registration Amendment

The propose labeling submitted to amend the registration of the subject pesticide product has been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, provided that you:

1. Correct the typographic errors in the "If Swallowed" section of the Practical Treatment Statments. The words "milk" and "available" are misspelled.
2. On page 4, under "Species Controlled" the listing of Acacia and Catclaw separately in the list is a mistake. The weed is "Catclaw, Acacia", note previous labeling accepted for this product.
3. In the "General Weed and Brush Control Noncropland" section, end of first paragraph, add "per acre" after 7000 pellets; i.e. "...7000 pellets per acre."
4. Submit a citation for the weed species "Smarkweek" or a picture, or drawing, of this species for the record of this pesticide product registration.
5. Submit one (1) copy of your final printed label before you release the subject product for shipment under the subject labeling.

I these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA,

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

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section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the proposed label is enclosed for your records.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

E.Wilson Diskette, Hexazinone: 03-06-98

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

**PRONONE® POWER PELLET
HERBICIDE**

<i>Active ingredient</i>	<i>By Weight</i>
HEXAZINONE	
(3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione)	75%
<i>Inert Ingredients</i>	25%
TOTAL	100%

5.5 lb. Net Wt.

EPA Est. No. 33560-TN-1 EPA Reg. No. 33560-41

**KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail)

**STATEMENT OF PRACTICAL
TREATMENT**

IF SWALLOWED: Call a physician or Poison Control Center. **DO NOT** induce vomiting. Drink promptly a large quantity of mild, egg whites, gelatin solution, or if these are not available drink large quantities of water*.

IF INHALED: Remove victim to fresh air and apply respiration if indicated.

IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly.

IF IN EYES: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.

**Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.*

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 6 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
33560-41

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

Corrosive: Causes irreversible eye damage. Harmful if swallowed. **Do not** get in eyes, or on clothing. Wear long sleeved shirt and long pants, socks and shoes and goggles or face shield. Wash thoroughly with soap and after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear long-sleeved shirt and long pants and shoes plus socks, waterproof gloves and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. **Do not** store near food or feed products. Store out of the weather.

USER SAFETY RECOMMENDATIONS:

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. **Do not** contaminate water used by wildlife and aquatic life or for domestic and irrigation purposes. **Do not** apply where runoff is likely to occur.

The active ingredient, hexazinone, in this product is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

GENERAL INFORMATION

Pro-Serve's PRONONE POWER PELLET HERBICIDE is a pellet of Hexazinone to be used for selective weed and brush control in reforestation areas, rangeland and pastures, and for non selective weed and brush control on noncropland areas.

PRONONE POWER PELLET is an effective general herbicide providing residual control of many annual and biennial weeds, woody plants and, except for Johnsongrass, is effective for control of most perennial weeds. It is absorbed through the roots.

Moisture is required to activate PRONONE POWER PELLET in the soil. Best results are obtained when weeds are less than 2 inches in height or diameter, soil is moist at time of application and 1/4 to 1/2 inch of rainfall occurs within 2 weeks after application.

Herbaceous plants usually respond by wilting and becoming chlorotic within 2 weeks after application under warm, humid conditions, while 4 to 6 weeks may be required when weather is cool. If rainfall after application is inadequate to activate PRONONE POWER PELLETS in the soil, plants may recover and continue to grow.

Woody plants usually respond within 3 to 6 weeks after sufficient rainfall has dissolved the pellet and carried the herbicide into the root zone where it is absorbed during periods of active plant growth. Defoliation and subsequent refoiliation may occur, but susceptible plants are killed. The response to the treatment will vary with the amount applied, soil type, rainfall, timing and uniformity of application and other conditions.

DIRECTIONS FOR USE

It is a violation of federal law to use this products in a manner inconsistent with its labeling. Pro-Serve, Inc. will not be

responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by Pro-Serve, Inc. User assumes all risk associated with such recommended use.

The correct use rates by crop and geographical area, specified on the label, and proper loading site considerations and application procedures must be followed to minimize potential for hexazinone movement into ground water. Consult with your state pesticide lead agency for information regarding soil permeability, aquifer vulnerability, and best management practices in your area.

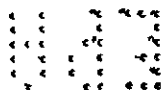
Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is coveralls, chemical resistant gloves, shoes plus socks and protective eyewear.



USE PRECAUTIONS

Injury or loss to desirable trees or other plants may result from failure to observe the following: **Do not** apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. **DO NOT** use on lawns, walks, driveways, tennis courts or similar areas. Prevent contact with desirable plants. Keep from contact with fertilizers, insecticides, fungicides and seeds.

APPLICATION: Apply PRONONE POWER PELLET HERBICIDE by hand to the soil around specific plants or in a grid pattern for area control.

Make application just before or during the period of active growth of brush species to be controlled. For effective brush control and prevention of damage of desirable vegetation **do not** apply to brush standing in water; **do not** use where desirable trees or shrubs are immediately adjacent to treated areas.

RANGELAND, PASTURE: Apply the pellet to the soil within 3' of the root collar at the rate of 1 or 2 pellets for each 1" of stem diameter of brush to be controlled. When treating large stems and when more than one pellet is needed per stem, make application on opposite sides of the stem. **Do not** treat more than 300 one-inch stem equivalents (approximately 709 brush plants) per acre per season. Late winter and mid-spring application is suggested.

NOTE: **Do not** use on marshy or poorly drained sites or on soils classified as clays. For effective brush control and prevention of damage to desirable vegetation, **do not** apply to brush standing in water. For these use sites, there is no restriction on grazing by domestic animals nor on cutting forage or hay.

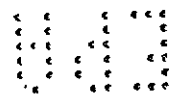
FORESTRY

PRONONE POWER PELLET HERBICIDE is recommended for use in forestry site preparation, preharvest control of hardwoods and pine release in pine-hardwood stands for growth enhancement of loblolly, slash, shortleaf and longleaf pine. The treatment provides control of many woody plants such as black cherry, blackgum*, dogwood*, elm, hawthorn, hickory*, oaks, red maple*, sweetgum and sumac*.

**Considered hard to kill*

Apply at a rate of 1,700 to 5,800 pellets per acre for preharvest, site preparation, and wildlife openings, and 900 to 3,800 pellets per acre for pine release. Make the application using a grid pattern as suggested in the table below. **Do not** apply POWER PELLETS closer than 36" to seedlings or directly up slope from seedlings. When treating large stems and where more than one pellet is needed per stem, make application around the stem.

The rate per acre and grid pattern will depend on soil texture and woody plant species composition. Use the higher rates on fine-textured soils and when the major component of the hardwoods is a difficult-to-control species such a blackgum, dogwood, hickory and red maple. Use the lower rates on medium to coarse texture soils where elm, cherry, oak and sweetgum are dominant. For individual stem treatment, apply the pellet to the soil within 3' of the root collar at the rate of 1 or 2 pellets for each 1" diameter of brush to be controlled. When treating large stems and when more than one pellet is needed per stem, make application around the stem.



**TABLE OF SUGGESTED APPLICATION PATTERNS
for PRONONE POWER PELLETS**

For Site Preparation and Preharvest Control
of Hardwoods

Soil		Grid Spacing (ft)
Coarse	1 Pellet	5' x 5' or 4' x 5' or 4' x 4'
Medium & Fine	1 Pellet	3' x 4" or 3' x 3' or 2½' x 3'

For Pine Release	Soil	Grid Spacing (ft)
Coarse	1 Pellet	6' x 8"* or 5' x 6'
Medium & Fine	1 Pellet	4' x 6'

* Use of deep sands with pines four years of age or older.

NOTE: As spacing decreases, rate increases.

PRONONE POWER PELLET should be applied during the period from late winter (bud-break) to early summer (full leaf). **DO NOT BURN** treated sites after initial foliage browning is evident. Burn only after brush has completely defoliated, at least once, from sufficient root uptake of the herbicide. Inconsistent results may occur if the site is burned up to 3 to 6 months prior to treatment.

Results may be unsatisfactory where stump sprouts of less than one year's growth predominate.

NOTE: Use on 1-year old or 4-year old or older seedlings is acceptable; however, injury may result from use on 2 and 3-year old seedlings where roots growth is extensive but hardiness is lacking. **Do not** graze domestic animals on treated areas within 60 days after treatment.

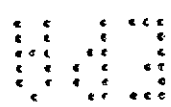
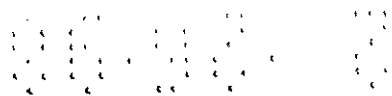
SPECIES CONTROLLED:

- | | |
|--------------|-------------------------------|
| Acacia | Mesquite |
| Aspen | Multiflora Rose |
| Blackgum | Myrtle |
| Black Cherry | Oaks (except live oaks) |
| Catclaw | Osage Orange |
| Deerbrush | Persimmon |
| Dogwood | Red Cedar |
| Elm | Small Soapweed (Yucca Glauca) |
| Green Ash | Snowbrush |
| Hackberry | Sumac |
| Hawthorn | Sweetgum |
| Hickory | Tallow |
| Huisache | Whitethorn |
| Junipers | Whitebrush, |
| Lotebush | Wild Cherry |
| Manzanita | Willow |

**GENERAL WEED AND BRUSH CONTROL
Noncropland**

PRONONE POWER PELLET HERBICIDE is recommended for general weed and brush control in noncropland areas such as utility, highway, pipeline and railroad rights-of-way, petroleum tank farms, lumberyards, storage areas, industrial plant sites, the berm of drainage ditches (**do not** apply to the inside of ditch banks or to the inside of banks along waterways) and other similar areas. Apply at 1-2 pellets per inch of stem diameter or as broadcast or grid pattern with rates up to 7,000 pellets.

For multi-stemmed and low-growing brush that have stem diameters that are difficult to determine, apply at 1-2 pellets per 3' of canopy width. For tall, slender brush types, apply 2-4 pellets per 3' of height. Base rate on whichever canopy dimension is greater. If treating resprouts from brush disturbed by cutting, the rate of application should be based on the original tree size, not the small regrowth.



NOTE: At rates greater than 5,000 pellets per acre, *do not* cut forage or hay nor graze domestic animals on treated areas. At rates between 600 to 5,000 pellets per acre *do not* cut for forage or hay nor graze domestic animals on treated areas for 60 days. At rates below 600 pellets per acre there is no restriction on grazing by domestic animals nor on cutting for forage or hay.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

SPECIES CONTROLLED:

Barnyardgrass
*Bindweed**
*Bouncing Ber**
Bromegrass
*Buffalograss**
Burdock
Cocklebur
Crabgrass
Crown Vetch
*Curly Dock**
*Dandelion**
*Dogbane**
*Widdleneck**
Filaree
Fleabane
Goatsbeard Vine
Goldenrod

Lespedeza
*Milkweed**
Mustard
*Nutsedge**
*Orchardgrass**
Oxalis
Paragrass
Pigweed
Purslane
Quackgrass
Ryegrass
Smartweed
Spurge
*Trumpet Creeper**
*Wild Oats**
Wild Parsnip
Wild Star Thistle

**Considered hard to kill.*

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep product dry.

NOTICE OF WARRANTY

Pro-Serve warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes states on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risk inherently associated with use of this product. In-effectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Pro-Serve, Inc. In no case shall Pro-Serve, Inc. be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by buyer. Pro-Serve makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

NOTICE TO BUYER: Purchase of this material does not confer any rights under patents of countries outside of the United States.



PRO-SERVE, INC.

• 400 EAST BROOKS ROAD • MEMPHIS, TN 38109 •